

What is claimed is:

1. A multi-channel induction accelerator, comprising:  
an injector block;  
5 a drive source;  
output systems; and  
a multi-channel induction acceleration block, which is made in the form  
of an aggregate of one-channel linear induction acceleration blocks (including those  
that are placed parallel with one to other), each of which is made in the form of a  
10 sequence of linearly connected acceleration sections, each of which, in turn, is made  
in the form of one or more magnetic inductors enveloped by conductive screening
2. The multi-channel induction accelerator of claim 1, in which:  
at least one of the conductive screens is made in a such manner that it  
15 envelops, at least two acceleration sections, which belong to different one-channel  
linear induction acceleration blocks.
3. The multi-channel induction accelerator of claim 2, in which:  
the multi-channel induction acceleration block is composed in accordance with  
20 the design scheme of the acceleration block of the multi-channel induction linear  
accelerator.
4. The multi-channel induction accelerator of claim 2, in which:  
the multi-channel induction acceleration block is configured in accordance  
25 with the design scheme of the acceleration block of the multi-channel induction  
undulation accelerator.